

[illegible]

NTDB	id	587	KW2	RS10850	WP	042211510.1	SKN	V	T	Q	L	A	L	V	E	V	H	G	N	L	V	G	T	M	Q	L	V	E	L	H	L	K	K	Q	L	V	K	K	K	L	I	E	V	A	T	Y	P	V	V	L	L	V	F	L	I	G	I	M	W	G	L	K	N	Y	L	L	P	Q	L	D	K	G	N	F	A	T	L	L	I	N	H	L	P	L	V	F	163			
NTDB	id	430	SGO	RS09415	WP	012130941.1	S	D	A	V	T	Q	L	S	L	A	E	L	H	G	N	L	S	L	A	L	L	K	I	E	E	Y	L	D	N	L	A	K	V	K	K	L	I	E	V	A	T	Y	P	M	M	L	L	G	F	L	V	L	I	M	I	T	G	L	R	N	Y	L	L	P	Q	L	S	S	Q	N	F	A	T	Q	L	I	G	H	L	P	T	I	F	166
NTDB	id	271	KZH43	RS09260	WP	074196785.1	S	S	A	I	V	T	Q	L	S	L	A	E	V	H	G	N	L	H	L	S	L	G	K	I	E	E	Y	L	D	N	L	A	K	V	K	K	L	I	E	V	A	T	Y	P	L	I	L	L	G	F	L	L	I	M	L	G	L	R	N	Y	L	L	P	Q	L	D	S	S	N	I	A	T	Q	I	I	G	N	L	P	Q	I	F	160	
NTDB	id	230	SPD	RS09890	WP	074196785.1	S	S	A	I	V	T	Q	L	S	L	A	E	V	H	G	N	L	H	L	S	L	G	K	I	E	E	Y	L	D	N	L	A	K	V	K	K	L	I	E	V	A	T	Y	P	L	I	L	L	G	F	L	L	I	M	L	G	L	R	N	Y	L	L	P	Q	L	D	S	S	N	I	A	T	Q	I	I	G	N	L	P	Q	I	F	160	
NTDB	id	196	SPR	RS09425	WP	074196785.1	S	S	A	I	V	T	Q	L	S	L	A	E	V	H	G	N	L	H	L	S	L	G	K	I	E	E	Y	L	D	N	L	A	K	V	K	K	L	I	E	V	A	T	Y	P	L	I	L	L	G	F	L	L	I	M	L	G	L	R	N	Y	L	L	P	Q	L	D	S	S	N	I	A	T	Q	I	I	G	N	L	P	Q	I	F	160	
NTDB	id	161	SP	RS10375	WP	074196785.1	S	S	A	I	V	T	Q	L	S	L	A	E	V	H	G	N	L	H	L	S	L	G	K	I	E	E	Y	L	D	N	L	A	K	V	K	K	L	I	E	V	A	T	Y	P	L	I	L	L	G	F	L	L	I	M	L	G	L	R	N	Y	L	L	P	Q	L	D	S	S	N	I	A	T	Q	I	I	G	N	L	P	Q	I	F	160	
NTDB	id	529	SMSK321	RS09235	WP	080550783.1	S	S	A	I	V	T	Q	L	S	L	A	E	V	H	G	N	L	H	L	S	L	G	K	I	E	E	Y	L	D	N	L	A	K	V	K	K	L	I	E	V	A	T	Y	P	L	I	L	L	G	F	L	L	S	I	M	L	G	L	R	N	Y	L	L	P	Q	L	D	S	S	N	I	A	T	Q	I	I	G	N	L	P	Q	I	F	160
NTDB	id	501	SM12261	RS00950	WP	004238896.1	S	S	A	I	V	T	Q	L	S	L	A	E	V	H	G	N	L	H	L	S	L	G	K	I	E	E	Y	L	D	N	L	A	K	V	K	K	L	I	E	V	A	T	Y	P	L	I	L	L	G	F	L	L	I	M	L	G	L	R	N	Y	L	L	P	Q	L	D	S	S	N	I	A	T	Q	I	I	G	N	L	P	Q	I	F	160	
NTDB	id	121036	DK41	RS01155	WP	223297804.1	S	D	T	V	I	T	Q	V	A	L	A	D	L	H	G</																																																																					

NTDB	id	587	KW2	RS10850	WP	042211510.1	F	S	V	G	A	L	I	V	L	L	T	S	L	S	I	I	F	K	H	I	S	A	L	T	N	F	T	L	V	K	V	L	P	L	V	S	S	F	I	R	L	Y	L	T	A	Y	F	S	R	E	W	G	N	L	I	A	Q	G	V	E	L	R	Q	I	E	L	M	K	K	Q	K	S	R	L	F	A	E	V	G	I	K	L	D	248
NTDB	id	430	SGO	RS09415	WP	012130941.1	L	L	T	V	L	M	L	G	L	T	G	A	I	Y	L	V	F	K	G	K	R	I	P	V	S	F	L	A	R	L	P	F	V	G	S	F	V	R	I	Y	L	T	A	Y	A	R	E	W	G	N	M	I	G	Q	G	L	E	S	Q	I	F	Q	I	M	Q	E	Q	R	S	V	L	F	Q	E	I	G	Q	D	L	C	251			
NTDB	id	271	KZH43	RS09260	WP	074196785.1	L	G	M	V	G	L	V	S	V	L	A	L	L	A	L	T	F	Y	K	R	S	K	M	S	V	F	S	I	L	A	R	L	P	F	I	G	I	F	V	Q	T	Y	L	T	A	Y	A	R	E	W	G	N	M	I	S	Q	G	M	E	L	T	Q	I	F	Q	M	M	Q	E	Q	S	L	F	K	E	V	G	Q	D	L	A	245		
NTDB	id	230	SPD	RS09890	WP	074196785.1	L	G	M	V	G	L	V	S	V	L	A	L	L	A	L	T	F	Y	K	R	S	K	M	S	V	F	S	I	L	A	R	L	P	F	I	G	I	F	V	Q	T	Y	L	T	A	Y	A	R	E	W	G	N	M	I	S	Q	G	M	E	L	T	Q	I	F	Q	M	M	Q	E	Q	S	L	F	K	E	V	G	Q	D	L	A	245		
NTDB	id	196	SPR	RS09425	WP	074196785.1	L	G	M	V	G	L	V	S	V	L	A	L	L	A	L	T	F	Y	K	R	S	K	M	S	V	F	S	I	L	A	R	L	P	F	I	G	I	F	V	Q	T	Y	L	T	A	Y	A	R	E	W	G	N	M	I	S	Q	G	M	E	L	T	Q	I	F	Q	M	M	Q	E	Q	S	L	F	K	E	V	G	Q	D	L	A	245		
NTDB	id	161	SP	RS10375	WP	074196785.1	L	G	M	V	G	L	V	S	V	L	A	L	L	A	L	T	F	Y	K	R	S	K	M	S	V	F	S	I	L	A	R	L	P	F	I	G	I	F	V	Q	T	Y	L	T	A	Y	A	R	E	W	G	N	M	I	S	Q	G	M	E	L	T	Q	I	F	Q	M	M	Q	E	Q	S	L	F	K	E	V	G	Q	D	L	A	245		
NTDB	id	529	SMSK321	RS09235	WP	080550783.1	L	G	M	V	G	L	V	S	L	T	L	L	A	L	T	F	Y	K	R	S	K	M	R	V	F	S	I	L	A	R	I	P	F	L	G	I	F	V	Q	T	Y	L	T	A	Y	A	R	E	W	G	N	M	I	S	Q	G	M	E	L	T	Q	I	F	Q	I	M	Q	E	Q	S	L	F	K	E	I	G	Q	D	L	A	245			
NTDB	id	501	SM12261	RS00950	WP	004238896.1	L	G	M	V	G	F	V	S	V	G	V	L	L	A	L	T	F	Y	K	R	S	K	M	R	V	F	S	I	L	A	R	I	P	F	L	G	I	F	V	Q	T	Y	L	T	A	Y	A	R	E	W	G	N	M	I	S	Q	G	M	E	L	T	Q	I	F	Q	I	M	Q	E	Q	S	L	F	K	E	I	G	Q	D	M	A	245		
NTDB	id	121036	DK41	RS01155	WP	223297804.1	L	L	L	L	A	V	V	L	I	F	S	L	I	F	Y	I	I	Q																																																																		

logo

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NTDB id 430 SGO RS09415 WP 012130941.1
NTDB id 271 KZH43 RS09260 WP 074196785.1
NTDB id 230 SPD RS09890 WP 074196785.1
NTDB id 196 SPR RS09425 WP 074196785.1
NTDB id 161 SP RS10375 WP 074196785.1
NTDB id 529 SMSK321 RS09235 WP 080550783.1
NTDB id 501 SM12261 RS00950 WP 004238896.1
NTDB id 121036 DK41 RS01155 WP 223297804.1
NTDB id 395 FSA28 RS09400 WP 257638827.1
NTDB id 386 SMU RS09030 WP 255262721.1
consensus



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logo

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NTDB id 430 SGO RS09415 WP 012130941.1
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NTDB id 196 SPR RS09425 WP 074196785.1
NTDB id 161 SP RS10375 WP 074196785.1
NTDB id 529 SMSK321 RS09235 WP 080550783.1
NTDB id 501 SM12261 RS00950 WP 004238896.1
NTDB id 121036 DK41 RS01155 WP 223297804.1
NTDB id 395 FSA28 RS09400 WP 257638827.1
NTDB id 386 SMU RS09030 WP 255262721.1
consensus



- X non conserved
- X similar
- X $\geq 50\%$ conserved